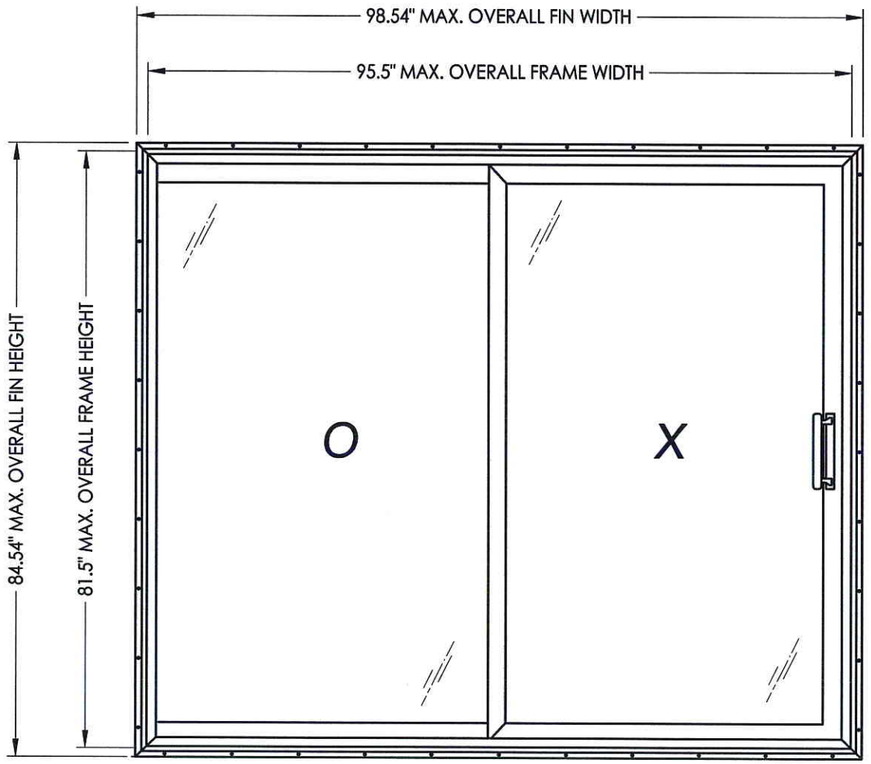
WINCORE™
WINDOWS & DOORS

250 Staunton Turnpike, Parkersburg, WV 26104

500 Series
Vinyl Sliding Patio Door
"NON-IMPACT"



EVALUATED FOR USE IN THE STATE OF TEXAS

The Wincore Sliding Patio Door described herein complies with the 2006 International Residential Code (IRC), Sections R308.6 and the 2006 International Building Code (IBC), Sections 1405.12, 1609, 1714.5, 2403 and 2404 (including Texas revisions) subject to the following conditions:

1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond roof covering.
2. When used in areas requiring wind-borne debris protection this product is required to be protected with an impact resistant covering that complies with Section R301.2.1.2 of the IRC and Section 1609.1.2 of the IBC.
3. Allowable design pressure requirements must be equal to or less than the design pressure rating shown in the design pressure chart, sheet 1 of this drawing.
4. Conditions not covered by this drawing are subject to further engineering analysis.

TABLE OF CONTENTS

SHEET#	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Horizontal cross section
3	Vertical cross sections
4	Frame anchoring
5	Bill of materials, glazing detail & components

OVERALL FIN DIMENSION	OVERALL FRAME DIMENSION	MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
98.54" x 83.54"	95.50" x 81.50"	48.5" x 78.375"	43.75" x 73.75"	G1	+50.0	-50.0

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER

8/1/13

Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197

TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: SLIDING PATIO DOORS

PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	BY	REVISIONS

DATE: 8/1/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4347
SHEET 1 OF 5

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1/2 **HORIZONTAL CROSS SECTION**
2X Stud Construction

NOTE:
1. Keeper screws - 2 required at jamb.

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104123
LICENSED PROFESSIONAL ENGINEER
8-1-13

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P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197

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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: *SLIDING PATIO DOORS*

PART OR ASSEMBLY: *HORIZONTAL CROSS SECTION*

NO.	DATE	REVISIONS	BY

DATE: 8/1/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4347
SHEET 2 OF 5

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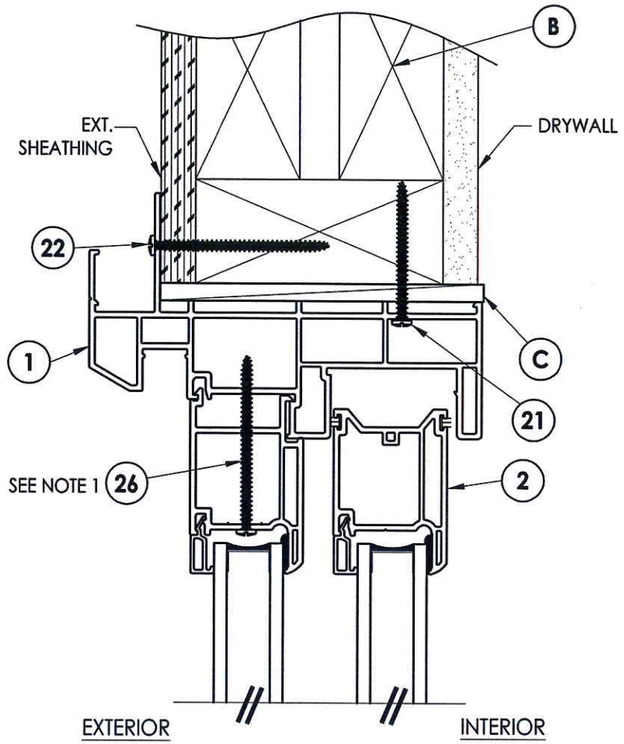
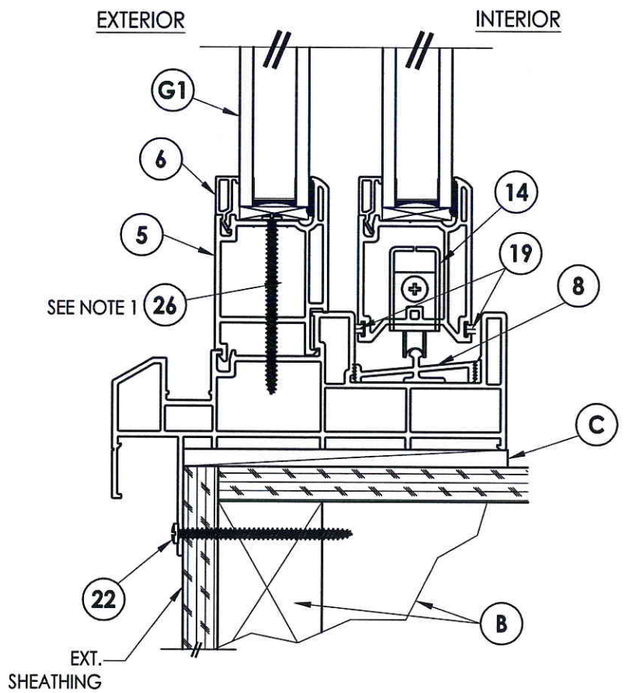
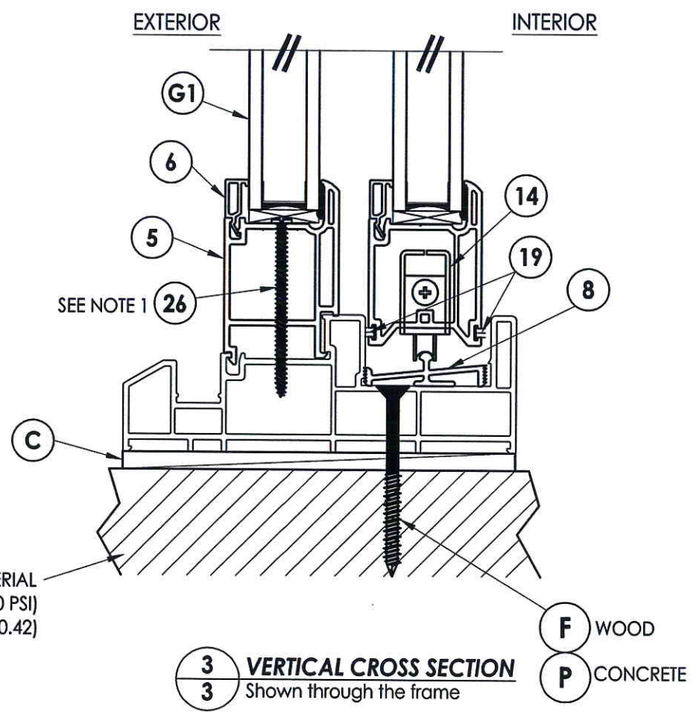


1/3 **VERTICAL CROSS SECTION**
2X Stud Construction



2/3 **VERTICAL CROSS SECTION**
2X Stud Construction



3/3 **VERTICAL CROSS SECTION**
Shown through the frame

NOTE:
1. Fixed panel screws - 2 required at each end of panel (4 total per panel).

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104123
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PROFESSIONAL ENGINEER
8.1.13

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TEXAS P.E. #104123

RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

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PRODUCT: *SLIDING PATIO DOORS*

PART OR ASSEMBLY: *VERTICAL CROSS SECTIONS*

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DATE: 8/1/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4347
SHEET 3 OF 5

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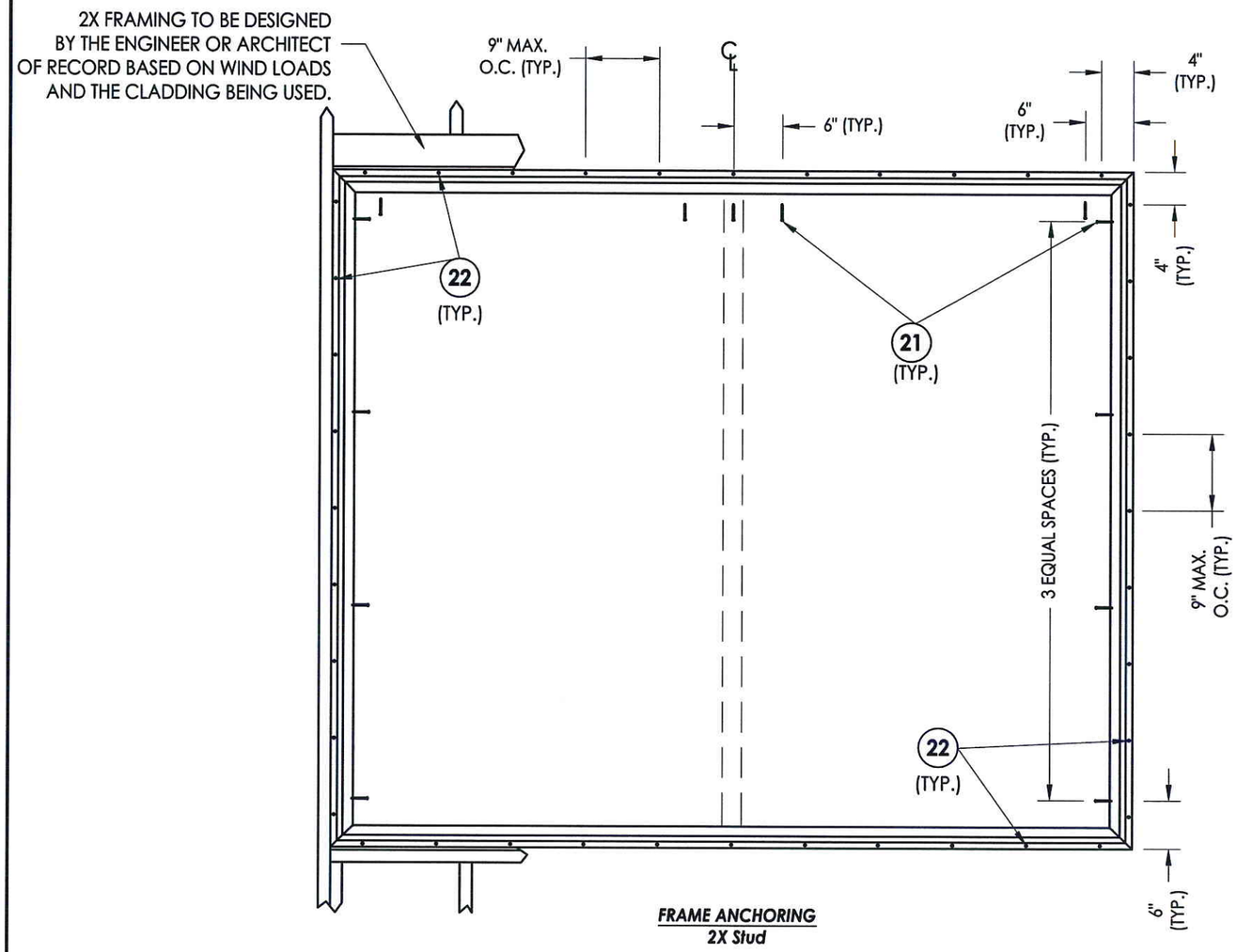
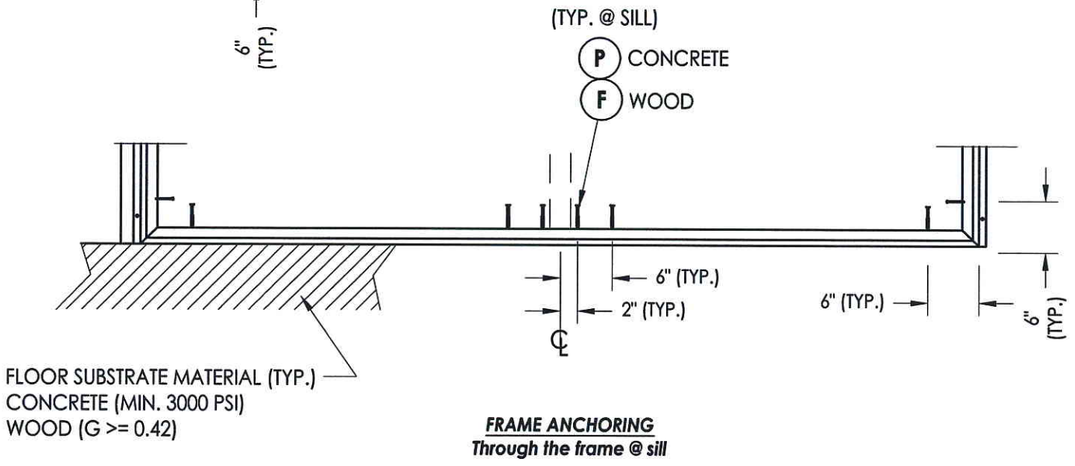


FRAME ANCHORING
2X Stud

CONCRETE ANCHOR NOTES:

1. *Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.*
2. *Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.*
3. *Concrete anchor table:*

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-3/4"	1-1/2"	4"
ELCO ULTRACON®	1/4"	1-3/4"	1"	4"



FRAME ANCHORING
Through the frame @ sill

STATE OF TEXAS
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PRODUCT: *SLIDING PATIO DOORS*

PART OR ASSEMBLY: *FRAME ANCHORING*

NO.	DATE	REVISIONS	BY

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SHEET 4 OF 5

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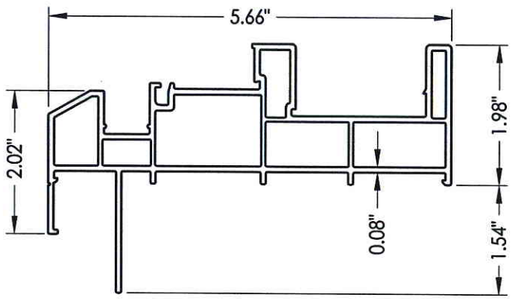
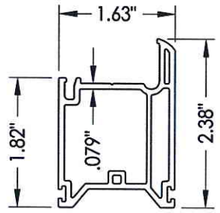
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X FRAMING (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
F	#10 X 3" PH WOOD SCREW (1-1/2" MIN. EMB.)	
P	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
1	EXTRUDED VINYL HEAD / SILL & JAMB / FRAME (#PD1701)	* RIGID PVC
2	EXTRUDED VINYL STILE / RAIL SASH (#PD25)	* RIGID PVC
3	EXTRUDED VINYL SASH INTERLOCK (#PD24)	* RIGID PVC
4	EXTRUDED VINYL FIXED INTERLOCK (#PD34)	* RIGID PVC
5	EXTRUDED VINYL EQUAL GLASS ADAPTOR (#PD39)	* RIGID PVC
6	EXTRUDED VINYL 1" GLAZING BEAD (#BV22)	* RIGID PVC
7	U SHAPED STEEL SPACER	STEEL
8	ALUMINUM SILL TRACK (#PD22)	ALUMINUM
10	JAMB STILE (PD25) REINFORCEMENT ROLL FORMED STEEL (#RFPD03SOM)	STEEL
11	SASH INTERLOCK (PD24) REINFORCEMENT ROLL FORMED STEEL (#RFPD24SOM)	STEEL
12	FIXED INTERLOCK (PD34) REINFORCEMENT ROLL FORMED STEEL (#RFPD34SOM)	STEEL
13	SLIDING PATIO DOOR HANDLE SET	-
14	TANDEM ROLLER ASSEMBLY	STEEL
18	SILICONE (TREMCO)	SEALANT
19	PILE WEATHERSTRIP	-
21	#8 X 2" PFH SMS	STEEL
22	#8 X 2-1/2" PFH SMS	STEEL
23	#8 X 3" PFH SMS	STEEL
26	#8 X 2-1/2" PPH SMS	STEEL

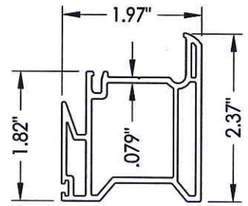
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



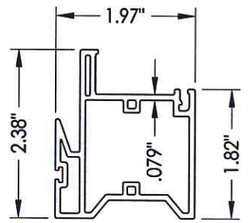
1 HEAD / SILL / JAMB



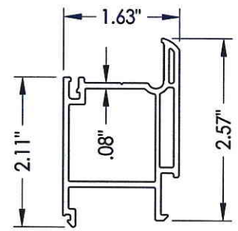
2 STILE / RAIL



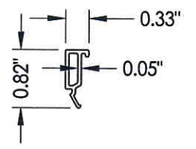
3 SASH INTERLOCK



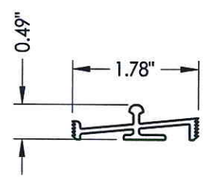
4 FIXED INTERLOCK



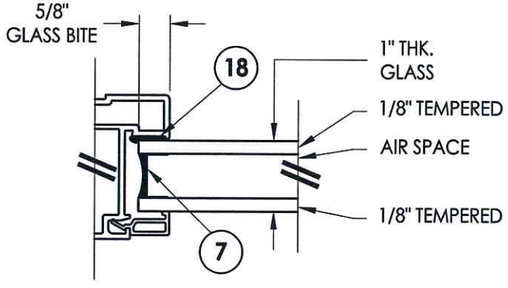
5 EQUAL GLASS ADAPTOR



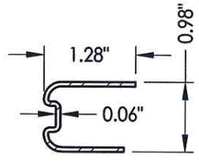
6 GLAZING BEAD



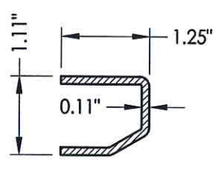
8 SILL TRACK



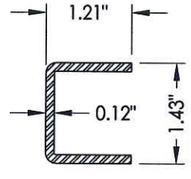
G1 GLAZING DETAIL



10 M JAMB STILE (PD25) Reinforcement



11 SASH INTERLOCK (PD24) Reinforcement



12 FIXED INTERLOCK (PD34) Reinforcement

Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197

TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: SLIDING PATIO DOORS

PART OR ASSEMBLY: BILL OF MATERIALS, GLAZING DETAIL & COMPONENTS

NO.	DATE	BY	REVISIONS

DATE: 8/1/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4347
SHEET 5 OF 5

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